Monitoring Data Record

Project Title: <u>I-2511CB (I-85 Widening)</u>	COE Action ID:	200221534
Stream Name: Town Creek (Site 5)	DWQ Number:	040271
City, County and other Location Information:]		
Date Construction Completed: Water turned o	on 12/6/06, Stream reforesta	ation completed 12/13/06
Monitoring Year: (2) of 5		-
Ecoregion: 8	digit HUC unit 03040	0103
USGS Quad Name and Coordinates:		
Rosgen Classification:		_
Rosgen Classification: Length of Project: 1,375 Urban or Rural	: Urban Watershed	Size:
Monitoring DATA collected by: M. Green	and J. Young Date:	8/10/09
Applicant Information:		
Name: NCDOT Roadside Envir	ronmental Unit	
Address: 1425 Rock Quar		
Telephone Number: (919) 861-3772		
Consultant Information:		
Name:		
Address:		
Telephone Number:	Email address:	
Project Status: Complete		
Troject Statust		
Monitoring Level required by COE and DW	VO (404 permit/ 401 Cert):	Level 1 2 3
Monitoring Level 1 requires completion of So	_	-
Monitoring Schedule: The permittee shall perform for the 5-year monitoring period: Reference photos; p stressed, damaged or dead plantings), estimated causes, channel stability. Physical measurements of channel stability submit the monitoring reports to the Corps of Engineer sixty days after completing the monitoring. If less the permittee shall continue monitoring until the second banduring separate monitoring years. In the event that the monitoring period, the Corps of Engineers, in consultate monitoring is not required. It is suggested that all band required monitoring period. The permittee shall perform and winter) for the 5-year monitoring period, and for an exercise 1. PHOTO REFERENCE SITES	plant survival (i.e., identify spectand proposed/required remedial ability/morphology will not be a rs, Raleigh Regulatory Field Offician two bankfull events occur ankfull event is documented. The required bankfull events do not attion with the resource agencies ankfull occurrences be monitored and submit photo documentation.	rific problem areas (missing, l action); visual inspection of required. The permittee shall fice Project Manager, within during the first 5 years, the e bankfull events must occur ot occur during the five-year s, may determine that further ed and reported through the ion twice each year (summer
Section 1. <u>PHOTO REFERENCE SITES</u> (Monitoring at all levels must complete this section)		
Total number of reference photo locations a at each location. 2 additional photos were ta		
Dates reference photos have been taken at the		
Individual from whom additional photos car	n be obtained (name, add	ress, phone):
Other Information relative to site photo referen	nce:	
If required to complete Level 3 monitoring only stop he	re; otherwise, complete section ?	2.

Section 2. PLANT SURVIVAL Attach plan sheet indicating reference photos. Identify specific problem areas (missing, stressed, damaged or dead plantings): Estimated causes, and proposed/required remedial action: ADDITIONAL COMMENTS: Planted vegetation consisted of black willow and silky dogwood live stakes on the streambanks and tag alder, green ash, red maple, river birch, swamp chestnut oak, willow oak, and sycamore bareroot seedlings in the buffer area. The buffer area was replanted with river birch, swamp chestnut oak, and

If required to complete Level 1 and Level 2 monitoring only stop here; otherwise, complete section 3.

willow oak on 2/29/08 due to lack of planted vegetation. The planted species were noted surviving on site. Other vegetation noted included lespedeza, goldenrod, *Juncus* sp., cattail, sweetgum, privet, pokeberry, and various

grasses. NCDOT will continue to monitor vegetation at this stream relocation.

Section 3. CHANNEL STABILITY

Visual Inspection: The entire stream project as well as each in-stream structure and bank stabilization/revetment structure must be evaluated and problems addressed.

Report on the visual inspection of channel stability. <u>Physical measurements of channel stability/morphology will not be required.</u> Include a discussion of any deviations from as-built and an evaluation of the significance of these deviations and whether they are indicative of a stabilizing or destabilizing situation.

The Town	Creek	stream	relocation	is stabi	le for	the Year	2 Summer	evaluation,	except for	some m	ninor	bank
scouring or	the lef	t bank i	n front of	a rock str	ucture.	NCDOT	will contin	ue to monito	r this strean	n relocati	ion.	

Date	-TI- PINC Sta. 16+50	Station	Station	Station	Station
Inspected	10+30	Number	Number	Number	Number
8/9/09					
Structure	Rock				
Type	Structure				
Is water					
piping					
through or					
around					
structure?					
Head cut or					
down cut					
present?					
Bank or scour	Bank				
erosion	scouring on				
present?	left bank				
Other					
problems					
noted?					

Town Creek



Photo Point #1 (Upstream)



Photo Point #2 (Upstream)



Photo Point #3 (Upstream)



Photo Point #1 (Downstream)



Photo Point #2 (Downstream)



Photo Point #3 (Downstream)

Town Creek



Photo Point #4 (Upstream)



Photo Point # 5 (Upstream)



(Overview looking downstream of buffer area)



Photo Point #4 (Downstream)



Photo Point #5 (Downstream)



(Overview looking upstream of buffer area)

Year 2 Summer – August 2009

